

CRAWFORD MAUNU PLLC

United States Patent Application

SUPPLEMENTAL COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **USER TERMINAL, MEDIA SYSTEM AND METHOD OF DELIVERING OBJECTS RELATING TO BROADCAST MEDIA STREAM TO USER TERMINAL.**

The specification of which

- a. ☐ was communicated by the International Bureau to the EO/US,
b. ☒ is entitled **USER TERMINAL, MEDIA SYSTEM AND METHOD OF DELIVERING OBJECTS RELATING TO BROADCAST MEDIA STREAM TO USER TERMINAL**, having attorney docket number **KOLS.155US (2030597US/MYL)**.
c. ☒ was filed on 19 October 2004 as application serial no. 10/511,797 and was amended on 19 October 2004 and 18 February 2005 (if applicable) (in the case of a PCT-filed application) described and claimed in international no. which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (attached hereto).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

- a. ☐ no such applications have been filed.
b. ☒ such applications have been filed as follows:

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC § 119/365			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
PCT	PCT/IB02/02537	1 JULY 2002	
US	10/126,623	22 APRIL 2002	
US	10/319,475	16 DECEMBER 2002	
ALL FOREIGN APPLICATION(S), IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

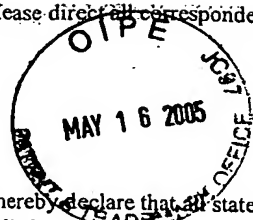
U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (Day, Month, Year)

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Hollingsworth, Mark A. Reg. No. 38,491 Crawford, Robert J. Reg. No. 32,122 Maunu, LeRoy D. Reg. No. 35,274
Funk, Steven R. Reg. No. 37,830 Curtin, Eric J. Reg. No. 47,511 Davis, Clara Reg. No. 50,495
Lynch, David W. Reg. No. 36,204

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Crawford Maunu PLLC.

Please direct all correspondence in this case to Crawford Maunu PLLC at the address indicated below:



Crawford Maunu PLLC
1270 Northland Drive, Suite 390
St. Paul, Minnesota 55120

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2	Full Name Of Inventor	Family Name KOPRA	First Given Name TONI	Second Given Name
0	Residence & Citizenship	City VANTAA	State or Foreign Country FINLAND	Country of Citizenship FINLAND
1	Post Office Address	Post Office Address HIRVITIE 15 A B 6	City VANTAA	State & Zip Code/Country 01450/FINLAND
Signature of Inventor 201:			Date: 4.9.2005	
2	Full Name Of Inventor	Family Name MAKIPAA	First Given Name MIKKO	Second Given Name
0	Residence & Citizenship	City HELSINKI	State or Foreign Country FINLAND	Country of Citizenship FINLAND
2	Post Office Address	Post Office Address AIRORANTA 9 A	City HELSINKI	State & Zip Code/Country 00830/FINLAND
Signature of Inventor 202:			Date:	
2	Full Name Of Inventor	Family Name ANTTILA	First Given Name AKSELI	Second Given Name
0	Residence & Citizenship	City HELSINKI	State or Foreign Country FINLAND	Country of Citizenship FINLAND
3	Post Office Address	Post Office Address PAJALAHDENTIE 6 B 25	City HELSINKI	State & Zip Code/Country 00200/FINLAND
Signature of Inventor 203:			Date:	

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

~~(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and~~

(1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim;
or

(2) It refutes, or is inconsistent with, a position the applicant takes in:

(i) Opposing an argument of unpatentability relied on by the Office, or

(ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

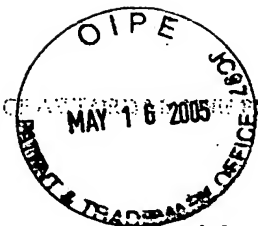
(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application:

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.



CRAWFORD MAUNU PLLC

United States Patent Application

SUPPLEMENTAL COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **USER TERMINAL, MEDIA SYSTEM AND METHOD OF DELIVERING OBJECTS RELATING TO BROADCAST MEDIA STREAM TO USER TERMINAL.**

The specification of which

- a. ☐ was communicated by the International Bureau to the EO/US,
b. ☒ is entitled **USER TERMINAL, MEDIA SYSTEM AND METHOD OF DELIVERING OBJECTS RELATING TO BROADCAST MEDIA STREAM TO USER TERMINAL**, having attorney docket number **KOLS.155US (2030597US/MYL)**.
c. ☒ was filed on 19 October 2004 as application serial no. 10/511,797 and was amended on 19 October 2004 and 18 February 2005 (if applicable) (in the case of a PCT-filed application) described and claimed in international no. which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (attached hereto).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

- a. ☐ no such applications have been filed.
b. ☒ such applications have been filed as follows:

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC § 119/365			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
PCT	PCT/IB02/02537	1 JULY 2002	
US	10/126,623	22 APRIL 2002	
US	10/319,475	16 DECEMBER 2002	
ALL FOREIGN APPLICATION(S), IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

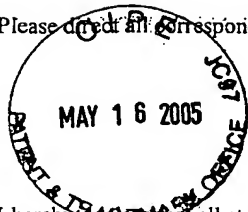
U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (Day, Month, Year)

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Hollingsworth, Mark A. Reg. No. 38,491 Crawford, Robert J. Reg. No. 32,122 Maunu, LeRoy D. Reg. No. 35,274
Funk, Steven R. Reg. No. 37,830 Curtin, Eric J. Reg. No. 47,511 Davis, Clara Reg. No. 50,495
Lynch, David W. Reg. No. 36,204

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Crawford Maunu PLLC.

Please direct all correspondence in this case to Crawford Maunu PLLC at the address indicated below:



Crawford Maunu PLLC
1270 Northland Drive, Suite 390
St. Paul, Minnesota 55120

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2	Full Name Of Inventor	Family Name KOPRA	First Given Name TONI	Second Given Name
0	Residence & Citizenship	City VANTAA	State or Foreign Country FINLAND	Country of Citizenship FINLAND
1	Post Office Address	Post Office Address HIRVITIE 15 A B 6	City VANTAA	State & Zip Code/Country 01450/FINLAND
Signature of Inventor 201:			Date:	
2	Full Name Of Inventor	Family Name MAKIPAA	First Given Name MIKKO	Second Given Name
0	Residence & Citizenship	City HELSINKI	State or Foreign Country FINLAND	Country of Citizenship FINLAND
2	Post Office Address	Post Office Address AIRORANTA 9 A	City HELSINKI	State & Zip Code/Country 00830/FINLAND
Signature of Inventor 202:			Date: MARCH 11, 2005	
2	Full Name Of Inventor	Family Name ANTTILA	First Given Name AKSELI	Second Given Name
0	Residence & Citizenship	City HELSINKI	State or Foreign Country FINLAND	Country of Citizenship FINLAND
3	Post Office Address	Post Office Address PAJALAHDENTIE 6 B 25	City HELSINKI	State & Zip Code/Country 00200/FINLAND
Signature of Inventor 203:			Date:	

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

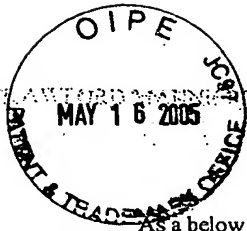
- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

~~(b)~~ Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim;
or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.



CRAWFORD MAUNU PLLC

United States Patent Application

SUPPLEMENTAL COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **USER TERMINAL, MEDIA SYSTEM AND METHOD OF DELIVERING OBJECTS RELATING TO BROADCAST MEDIA STREAM TO USER TERMINAL.**

The specification of which

- a. ☐ was communicated by the International Bureau to the EO/US,
b. ☒ is entitled **USER TERMINAL, MEDIA SYSTEM AND METHOD OF DELIVERING OBJECTS RELATING TO BROADCAST MEDIA STREAM TO USER TERMINAL**, having attorney docket number KOLS.155US (2030597US/MYL).
c. ☒ was filed on 19 October 2004 as application serial no. 10/511,797 and was amended on 19 October 2004 and 18 February 2005 (if applicable) (in the case of a PCT-filed application) described and claimed in international no. which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (attached hereto).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

- a. ☐ no such applications have been filed.
b. ☒ such applications have been filed as follows:

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC § 119/365			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
PCT	PCT/IB02/02537	1 JULY 2002	
US	10/126,623	22 APRIL 2002	
US	10/319,475	16 DECEMBER 2002	
ALL FOREIGN APPLICATION(S), IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (Day, Month, Year)

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Hollingsworth, Mark A. Reg. No. 38,491 Crawford, Robert J. Reg. No. 32,122 Maunu, LeRoy D. Reg. No. 35,274
Funk, Steven R. Reg. No. 37,830 Curtin, Eric J. Reg. No. 47,511 Davis, Clara Reg. No. 50,495
Lynch, David W. Reg. No. 36,204

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Crawford Maunu PLLC.

Please direct all correspondence in this case to Crawford Maunu PLLC at the address indicated below:

Crawford Maunu PLLC
1270 Northland Drive, Suite 390
St. Paul, Minnesota 55120

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2	Full Name Of Inventor	Family Name KOPRA	First Given Name TONI	Second Given Name
0	Residence & Citizenship	City VANTAA	State or Foreign Country FINLAND	Country of Citizenship FINLAND
1	Post Office Address	Post Office Address HIRVITIE 15 A B 6	City VANTAA	State & Zip Code/Country 01450/FINLAND
Signature of Inventor 201:			Date:	
2	Full Name Of Inventor	Family Name MAKIPAA	First Given Name MIKKO	Second Given Name
0	Residence & Citizenship	City HELSINKI	State or Foreign Country FINLAND	Country of Citizenship FINLAND
2	Post Office Address	Post Office Address AIRORANTA 9 A	City HELSINKI	State & Zip Code/Country 00830/FINLAND
Signature of Inventor 202:			Date:	
2	Full Name Of Inventor	Family Name ANTTILA	First Given Name AKSELI	Second Given Name
0	Residence & Citizenship	City HELSINKI	State or Foreign Country FINLAND	Country of Citizenship FINLAND
3	Post Office Address	Post Office Address PAJALAHDENTIE 6 B 25	City HELSINKI	State & Zip Code/Country 00200/FINLAND
Signature of Inventor 203:			Date: March 7 2005	

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

~~(b)~~ Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim;
or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.